

**Notice of Allowability**

Application No.

09/786,742

Examiner

James A. Menefee

Applicant(s)

JURGENSEN, HEINRICH

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the corresponding address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 4/30/2004.
2. ☒ The allowed claim(s) is/are 408-410 and 417-709.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☒ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 4/30/04
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date 20040527.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

## **DETAILED ACTION**

### ***Response to Amendment***

In response to the amendment filed 4/30/2004, the third substitute specification and the substitute abstract are entered. Claims 1-407, and 411-416 have been cancelled; claims 408, 420, and 421 have been amended; and claims 422-709 are added. Additionally, the changes to the drawings are approved, see the drawings section below and the attached sheet. Claims 408-410, and 417-709 are pending and allowable.

### ***Drawings***

The following changes to the drawings have been approved by the examiner and agreed upon by Brett Valiquet in the telephone interview of 6/1/2004:

Insert drawing sheet 30, see attached, including Figs. 36b and 36c. A copy of this sheet was also faxed to Brett Valiquet on 6/1/2004. This sheet was a part of the originally filed international application, and thus is a part of the present application as originally filed and is not new matter. However, sheet 30 was inadvertently missing from the application as transmitted by the International Bureau, and thus is added here to the file.

Note that the drawings filed 9/14/2001 and 6/30/2003 are accepted by the examiner except for the above noted insertion. In order to avoid abandonment of the application, applicant must make these above agreed upon drawing changes. The MPEP does not give the examiner authority to directly enter a drawing sheet by examiner's amendment, see MPEP 1302.04 ("No other changes may be made by any person in any record of the U.S. Patent and Trademark office

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without the written approval of the Commissioner of Patents and Trademarks.”), therefore the applicant should file this drawing sheet in response to this action.

***Allowable Subject Matter***

Claims 408-410 and 417-709 are allowed. The following is an examiner’s statement of reasons for allowance:

Regarding claims 408-410 and 417-421, reasons for allowance were given in the prior office action, mailed 4/20/2004.

Regarding claims 422-516, there is not taught or disclosed in the prior art a rotogravure engraving system where at least one **fiber laser** outputs a laser beam that is focused onto a rotating drum as a **diffraction limited** laser beam in order to create cups in the drum for printing rotogravure images or text.

Regarding claims 517-613, there is not taught or disclosed in the prior art a flexo printing system where at least one **fiber laser** outputs a laser beam that is focused onto a rotating drum as a **diffraction limited** laser beam in order to process the surface of a printing form to create a fine structure for images or text by removing material from the processed surface.

Regarding claims 614-709, there is not taught or disclosed in the prior art an offset printing system where at least one **fiber laser** outputs a laser beam that is focused onto a rotating drum as a **diffraction limited** laser beam in order to process the surface of a printing form to create a fine structure for images or text by processing material on said surface.

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To summarize, the prior art rotogravure, flexo, and offset printing systems that use lasers focused on a rotating drum do not use fiber lasers, and are not diffraction limited. There is no suggestion in the prior art that such lasers may be used in these printing systems.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The references show various printing systems using lasers, but not the particular kinds of lasers of the present invention.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James A. Menefee whose telephone number is (571) 272-1944. The examiner can normally be reached on M-F 8:30-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571) 272-1834. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.


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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



JM

June 1, 2004



Don Wong  
Supervisory Patent Examiner  
Technology Center 2828

30/39

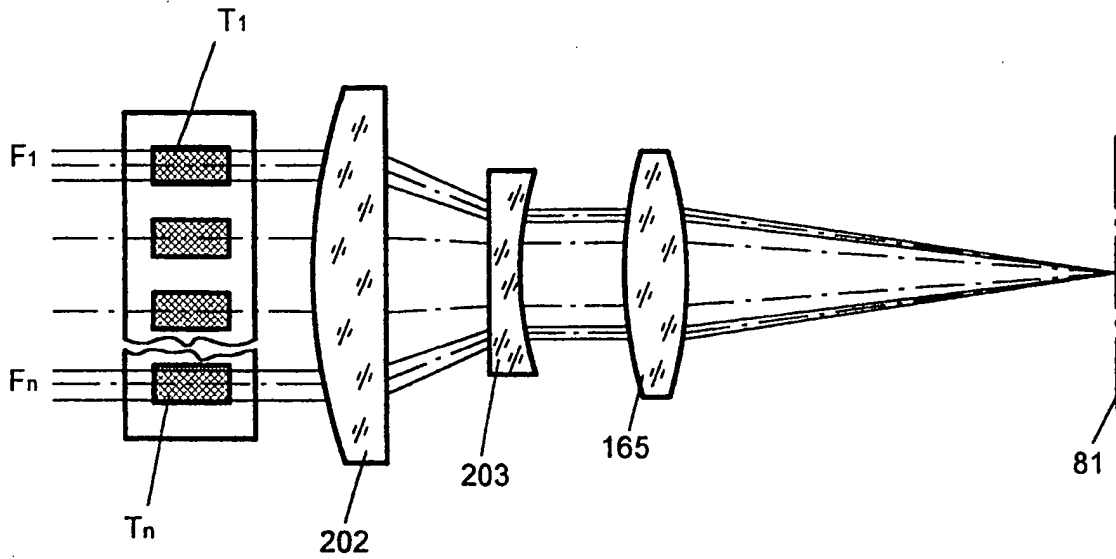


Fig. 36b

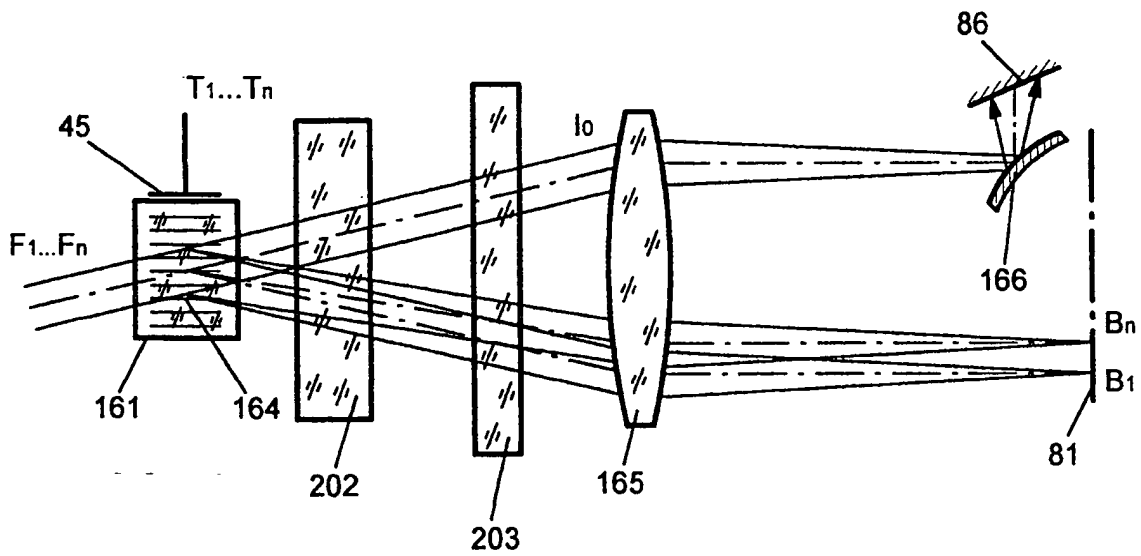


Fig. 36c

ATTACHMENT TO ALLOWANCE